

BARGE "IB 1977"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2	- 00-3/4	00-3/4
3 CENTER	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS 00-1/4"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 182'-09"

September 7, 2017

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1977"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS												GAUGE HEIGHT 15'-03 3/4"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.					
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	0.63	0	241.84	0	527.09	0	808.53	0	1,091.14	0	1,376.23	0	1,666.89	0	1,946.13	0	2,231.35	0	2,516.58				
1/4	1.62	1/4	247.79	1/4	533.03	1/4	814.31	1/4	1,097.08	1/4	1,382.15	1/4	1,666.83	1/4	1,952.07	1/4	2,237.30	1/4	2,522.52				
1/2	2.61	1/2	253.73	1/2	538.98	1/2	820.10	1/2	1,103.02	1/2	1,388.08	1/2	1,672.78	1/2	1,958.01	1/2	2,243.24	1/2	2,528.46				
3/4	3.61	3/4	259.67	3/4	544.92	3/4	825.88	3/4	1,108.96	3/4	1,394.01	3/4	1,678.72	3/4	1,963.95	3/4	2,248.18	3/4	2,534.40				
1	4.60	1	265.62	1	550.86	1	831.45	1	1,114.90	1	1,399.94	1	1,684.66	1	1,969.90	1	2,253.91	1	2,540.35				
1/4	6.78	1/4	271.56	1/4	556.80	1/4	837.45	1/4	1,120.84	1/4	1,405.87	1/4	1,690.60	1/4	1,975.84	1/4	2,259.88	1/4	2,546.29				
1/2	8.97	1/2	277.50	1/2	562.75	1/2	843.23	1/2	1,126.77	1/2	1,411.79	1/2	1,696.55	1/2	1,981.78	1/2	2,265.80	1/2	2,552.23				
3/4	11.16	3/4	283.44	3/4	568.69	3/4	849.02	3/4	1,132.71	3/4	1,417.72	3/4	1,702.49	3/4	1,987.72	3/4	2,271.95	3/4	2,558.17				
1	13.34	1	289.39	1	574.63	1	854.80	1	1,138.65	1	1,423.65	1	1,708.43	1	1,993.67	1	2,277.98	1	2,564.11				
1/4	17.25	1/4	295.33	1/4	580.57	1/4	860.59	1/4	1,144.59	1/4	1,429.58	1/4	1,714.37	1/4	1,999.61	1/4	2,284.83	1/4	2,570.06				
1/2	21.15	1/2	301.27	1/2	586.52	1/2	866.37	1/2	1,150.53	1/2	1,435.51	1/2	1,720.32	1/2	2,005.55	1/2	2,290.77	1/2	2,576.00				
3/4	25.06	3/4	307.22	3/4	592.46	3/4	872.16	3/4	1,156.47	3/4	1,441.44	3/4	1,726.26	3/4	2,011.49	3/4	2,296.71	3/4	2,581.94				
1	28.96	1	313.16	1	598.40	1	877.94	1	1,162.41	1	1,447.36	1	1,732.20	1	2,017.44	1	2,302.65	1	2,587.88				
1/4	34.60	1/4	319.10	1/4	604.35	1/4	883.73	1/4	1,168.35	1/4	1,453.29	1/4	1,738.14	1/4	2,023.38	1/4	2,308.50	1/4	2,593.83				
1/2	40.24	1/2	325.04	1/2	610.29	1/2	889.51	1/2	1,174.29	1/2	1,459.22	1/2	1,744.09	1/2	2,029.32	1/2	2,314.54	1/2	2,599.77				
3/4	45.88	3/4	330.99	3/4	616.23	3/4	895.30	3/4	1,180.23	3/4	1,465.15	3/4	1,750.03	3/4	2,035.26	3/4	2,320.48	3/4	2,605.71				
1	51.52	1	336.93	1	622.17	1	901.08	1	1,186.17	1	1,471.08	1	1,755.97	1	2,041.21	1	2,326.42	1	2,611.65				
1/4	57.46	1/4	342.87	1/4	628.12	1/4	907.02	1/4	1,192.11	1/4	1,477.00	1/4	1,761.91	1/4	2,047.15	1/4	2,332.36	1/4	2,617.60				
1/2	63.40	1/2	348.81	1/2	634.06	1/2	912.96	1/2	1,198.05	1/2	1,482.93	1/2	1,767.86	1/2	2,053.09	1/2	2,338.30	1/2	2,623.54				
3/4	69.34	3/4	354.76	3/4	640.00	3/4	918.90	3/4	1,203.99	3/4	1,488.86	3/4	1,773.80	3/4	2,059.03	3/4	2,344.25	3/4	2,629.48				
1	75.28	1	360.70	1	645.94	1	924.84	1	1,209.92	1	1,494.79	1	1,779.74	1	2,064.98	1	2,350.19	1	2,635.42				
1/4	81.23	1/4	366.64	1/4	651.89	1/4	930.78	1/4	1,215.86	1/4	1,500.72	1/4	1,785.68	1/4	2,070.92	1/4	2,356.13	1/4	2,641.37				
1/2	87.18	1/2	372.58	1/2	657.83	1/2	936.72	1/2	1,221.80	1/2	1,506.65	1/2	1,791.63	1/2	2,076.86	1/2	2,362.07	1/2	2,647.31				
3/4	93.13	3/4	378.53	3/4	663.77	3/4	942.66	3/4	1,227.74	3/4	1,512.57	3/4	1,797.57	3/4	2,082.80	3/4	2,368.02	3/4	2,653.25				
1	99.09	1	384.47	1	669.71	1	948.60	1	1,233.68	1	1,518.50	1	1,803.51	1	2,088.75	1	2,373.96	1	2,659.19				
1/4	105.04	1/4	390.41	1/4	675.65	1/4	954.55	1/4	1,239.62	1/4	1,524.43	1/4	1,809.45	1/4	2,094.69	1/4	2,379.90	1/4	2,665.14				
1/2	110.99	1/2	396.35	1/2	681.58	1/2	960.47	1/2	1,245.56	1/2	1,530.36	1/2	1,815.39	1/2	2,100.63	1/2	2,385.84	1/2	2,671.08				
3/4	116.95	3/4	402.30	3/4	687.07	3/4	966.41	3/4	1,251.50	3/4	1,536.29	3/4	1,821.34	3/4	2,106.57	3/4	2,391.79	3/4	2,677.02				
1	122.90	1	408.24	1	692.85	1	972.35	1	1,257.44	1	1,542.21	1	1,827.28	1	2,112.51	1	2,397.73	1	2,682.96				
1/4	128.85	1/4	414.18	1/4	698.63	1/4	978.29	1/4	1,263.38	1/4	1,548.14	1/4	1,833.22	1/4	2,118.46	1/4	2,403.67	1/4	2,688.91				
1/2	134.80	1/2	420.12	1/2	704.42	1/2	984.23	1/2	1,269.32	1/2	1,554.07	1/2	1,839.16	1/2	2,124.40	1/2	2,409.55	1/2	2,694.85				
3/4	140.75	3/4	426.07	3/4	710.20	3/4	990.17	3/4	1,275.26	3/4	1,560.00	3/4	1,845.11	3/4	2,130.34	3/4	2,415.48	3/4	2,700.79				
1	146.70	1	432.01	1	715.99	1	996.11	1	1,281.20	1	1,565.93	1	1,851.05	1	2,136.28	1	2,421.50	1	2,706.73				
1/4	152.65	1/4	437.95	1/4	721.77	1/4	1,002.05	1/4	1,287.14	1/4	1,571.86	1/4	1,856.99	1/4	2,142.23	1/4	2,427.44	1/4	2,712.67				
1/2	158.59	1/2	443.90	1/2	727.55	1/2	1,007.99	1/2	1,293.07	1/2	1,577.78	1/2	1,862.93	1/2	2,148.17	1/2	2,433.38	1/2	2,718.62				
3/4	164.54	3/4	449.84	3/4	733.34	3/4	1,013.93	3/4	1,299.01	3/4	1,583.71	3/4	1,868.88	3/4	2,154.11	3/4	2,439.32	3/4	2,724.56				
1	170.48	1	455.78	1	739.12	1	1,019.87	1	1,304.95	1	1,589.64	1	1,874.82	1	2,160.05	1	2,445.27	1	2,730.50				
1/4	176.43	1/4	461.72	1/4	744.91	1/4	1,025.81	1/4	1,310.89	1/4	1,595.57	1/4	1,880.76	1/4	2,166.00	1/4	2,451.21	1/4	2,736.44				
1/2	182.38	1/2	467.67	1/2	750.69	1/2	1,031.75	1/2	1,316.83	1/2	1,601.50	1/2	1,886.70	1/2	2,171.94	1/2	2,457.15	1/2	2,742.39				
3/4	188.33	3/4	473.61	3/4	756.47	3/4	1,037.69	3/4	1,322.77	3/4	1,607.42	3/4	1,892.65	3/4	2,177.88	3/4	2,463.09	3/4	2,748.33				
1	194.28	1	479.55	1	762.26	1	1,043.62	1	1,328.71	1	1,613.35	1	1,898.59	1	2,183.82	1	2,469.04	1	2,754.27				
1/4	200.23	1/4	485.49	1/4	768.04	1/4	1,049.56	1/4	1,334.65	1/4	1,619.30	1/4	1,904.53	1/4	2,189.76	1/4	2,474.98	1/4	2,760.21				
1/2	206.18	1/2	491.44	1/2	773.83	1/2	1,055.50	1/2	1,340.59	1/2	1,625.24	1/2	1,910.47	1/2	2,195.70	1/2	2,480.92	1/2	2,766.16				
3/4	212.12	3/4	497.38	3/4	779.61	3/4	1,061.44	3/4	1,346.53	3/4	1,631.18	3/4	1,916.42	3/4	2,201.65	3/4	2,486.86	3/4	2,772.10				
1	218.07	1	503.32	1	785.39	1	1,067.38	1	1,352.47	1	1,637.12	1	1,922.36	1	2,207.59	1	2,492.81	1	2,778.04				
1/4	224.02	1/4	509.26	1/4	791.18	1/4	1,073.32	1/4	1,358.41	1/4	1,643.07	1/4	1,928.30	1/4	2,213.53	1/4	2,498.75	1/4	2,784.00				
1/2	229.96	1/2	515.21	1/2	796.96	1/2	1,079.26	1/2	1,364.35	1/2	1,649.01	1/2	1,934.24	1/2	2,219.47	1/2	2,504.69	1/2	2,789.95				
3/4	235.90	3/4	521.15	3/4	802.75	3/4	1,085.20	3/4	1,370.29	3/4	1,654.95	3/4	1,940.19	3/4	2,225.41	3/4	2,510.63	3/4	2,795.90				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pasland, Texas 77588
http://www.pmacorp.net



BARGE "IB 1977"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.					
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0				
1/4	2,801.86	1/4	3,053.99	1/4	3,238.75	1/4	3,423.52	1/4	3,608.09	1/4	3,792.86	1/4	3,977.63	1/4	4,162.40	1/4	4,347.17	1/4	4,531.94	1/4	4,716.71		
1/2	2,807.81	1/2	3,057.83	1/2	3,242.60	1/2	3,427.37	1/2	3,611.36	1/2	3,795.35	1/2	3,979.34	1/2	4,163.33	1/2	4,347.32	1/2	4,531.31	1/2	4,715.30	1/2	4,899.29
3/4	2,813.77	3/4	3,061.68	3/4	3,246.45	3/4	3,431.22	3/4	3,614.83	3/4	3,798.44	3/4	3,982.05	3/4	4,165.66	3/4	4,349.27	3/4	4,532.88	3/4	4,716.49	3/4	4,899.70
1	2,819.72	1	3,065.53	1	3,250.30	1	3,435.07	1	3,617.89	1	3,801.50	1	3,985.11	1	4,168.72	1	4,352.33	1	4,535.94	1	4,719.55	1	4,902.76
1 1/4	2,825.68	1 1/4	3,069.38	1 1/4	3,254.15	1 1/4	3,438.92	1 1/4	3,621.16	1 1/4	3,804.77	1 1/4	3,988.38	1 1/4	4,171.99	1 1/4	4,355.60	1 1/4	4,539.21	1 1/4	4,723.02	1 1/4	4,906.23
1 1/2	2,831.63	1 1/2	3,073.23	1 1/2	3,258.00	1 1/2	3,442.76	1 1/2	3,624.53	1 1/2	3,808.14	1 1/2	3,991.75	1 1/2	4,175.36	1 1/2	4,359.97	1 1/2	4,542.58	1 1/2	4,726.19	1 1/2	4,909.84
1 3/4	2,837.58	1 3/4	3,077.08	1 3/4	3,261.85	1 3/4	3,446.61	1 3/4	3,627.90	1 3/4	3,811.52	1 3/4	3,995.13	1 3/4	4,178.74	1 3/4	4,363.19	1 3/4	4,545.80	1 3/4	4,729.41	1 3/4	4,913.05
2	2,843.54	2	3,080.93	2	3,265.70	2	3,450.46	2	3,629.51	2	3,814.42	2	3,997.03	2	4,181.95	2	4,366.40	2	4,549.01	2	4,732.62	2	4,916.26
2 1/4	2,849.49	2 1/4	3,084.78	2 1/4	3,269.55	2 1/4	3,454.31	2 1/4	3,629.51	2 1/4	3,814.42	2 1/4	3,997.03	2 1/4	4,181.95	2 1/4	4,366.40	2 1/4	4,549.01	2 1/4	4,732.62	2 1/4	4,916.26
2 1/2	2,855.45	2 1/2	3,088.63	2 1/2	3,273.40	2 1/2	3,458.16	2 1/2	3,629.51	2 1/2	3,814.42	2 1/2	3,997.03	2 1/2	4,181.95	2 1/2	4,366.40	2 1/2	4,549.01	2 1/2	4,732.62	2 1/2	4,916.26
2 3/4	2,861.40	2 3/4	3,092.48	2 3/4	3,277.24	2 3/4	3,462.01	2 3/4	3,629.51	2 3/4	3,814.42	2 3/4	3,997.03	2 3/4	4,181.95	2 3/4	4,366.40	2 3/4	4,549.01	2 3/4	4,732.62	2 3/4	4,916.26
3	2,867.36	3	3,096.33	3	3,281.09	3	3,465.86	3	3,632.59	3	3,818.33	3	4,000.55	3	4,185.97	3	4,370.60	3	4,552.23	3	4,736.47	3	4,922.03
3 1/4	2,873.31	3 1/4	3,100.18	3 1/4	3,284.94	3 1/4	3,469.71	3 1/4	3,632.59	3 1/4	3,818.33	3 1/4	4,000.55	3 1/4	4,185.97	3 1/4	4,370.60	3 1/4	4,552.23	3 1/4	4,736.47	3 1/4	4,922.03
3 1/2	2,879.26	3 1/2	3,104.03	3 1/2	3,288.79	3 1/2	3,473.56	3 1/2	3,632.59	3 1/2	3,818.33	3 1/2	4,000.55	3 1/2	4,185.97	3 1/2	4,370.60	3 1/2	4,552.23	3 1/2	4,736.47	3 1/2	4,922.03
3 3/4	2,885.22	3 3/4	3,107.88	3 3/4	3,292.64	3 3/4	3,477.41	3 3/4	3,632.59	3 3/4	3,818.33	3 3/4	4,000.55	3 3/4	4,185.97	3 3/4	4,370.60	3 3/4	4,552.23	3 3/4	4,736.47	3 3/4	4,922.03
4	2,891.17	4	3,111.72	4	3,296.49	4	3,481.26	4	3,632.59	4	3,818.33	4	4,000.55	4	4,185.97	4	4,370.60	4	4,552.23	4	4,736.47	4	4,922.03
4 1/4	2,897.13	4 1/4	3,115.57	4 1/4	3,300.34	4 1/4	3,485.11	4 1/4	3,632.59	4 1/4	3,818.33	4 1/4	4,000.55	4 1/4	4,185.97	4 1/4	4,370.60	4 1/4	4,552.23	4 1/4	4,736.47	4 1/4	4,922.03
4 1/2	2,903.08	4 1/2	3,119.42	4 1/2	3,304.19	4 1/2	3,488.96	4 1/2	3,632.59	4 1/2	3,818.33	4 1/2	4,000.55	4 1/2	4,185.97	4 1/2	4,370.60	4 1/2	4,552.23	4 1/2	4,736.47	4 1/2	4,922.03
4 3/4	2,909.04	4 3/4	3,123.27	4 3/4	3,308.04	4 3/4	3,492.81	4 3/4	3,632.59	4 3/4	3,818.33	4 3/4	4,000.55	4 3/4	4,185.97	4 3/4	4,370.60	4 3/4	4,552.23	4 3/4	4,736.47	4 3/4	4,922.03
5	2,914.99	5	3,127.12	5	3,311.89	5	3,496.65	5	3,632.59	5	3,818.33	5	4,000.55	5	4,185.97	5	4,370.60	5	4,552.23	5	4,736.47	5	4,922.03
5 1/4	2,920.94	5 1/4	3,130.97	5 1/4	3,315.74	5 1/4	3,500.50	5 1/4	3,632.59	5 1/4	3,818.33	5 1/4	4,000.55	5 1/4	4,185.97	5 1/4	4,370.60	5 1/4	4,552.23	5 1/4	4,736.47	5 1/4	4,922.03
5 1/2	2,926.90	5 1/2	3,134.82	5 1/2	3,319.59	5 1/2	3,504.35	5 1/2	3,632.59	5 1/2	3,818.33	5 1/2	4,000.55	5 1/2	4,185.97	5 1/2	4,370.60	5 1/2	4,552.23	5 1/2	4,736.47	5 1/2	4,922.03
5 3/4	2,932.85	5 3/4	3,138.67	5 3/4	3,323.44	5 3/4	3,508.20	5 3/4	3,632.59	5 3/4	3,818.33	5 3/4	4,000.55	5 3/4	4,185.97	5 3/4	4,370.60	5 3/4	4,552.23	5 3/4	4,736.47	5 3/4	4,922.03
6	2,938.81	6	3,142.52	6	3,327.29	6	3,512.05	6	3,632.59	6	3,818.33	6	4,000.55	6	4,185.97	6	4,370.60	6	4,552.23	6	4,736.47	6	4,922.03
6 1/4	2,944.76	6 1/4	3,146.37	6 1/4	3,331.13	6 1/4	3,515.90	6 1/4	3,632.59	6 1/4	3,818.33	6 1/4	4,000.55	6 1/4	4,185.97	6 1/4	4,370.60	6 1/4	4,552.23	6 1/4	4,736.47	6 1/4	4,922.03
6 1/2	2,950.72	6 1/2	3,150.22	6 1/2	3,334.98	6 1/2	3,519.75	6 1/2	3,632.59	6 1/2	3,818.33	6 1/2	4,000.55	6 1/2	4,185.97	6 1/2	4,370.60	6 1/2	4,552.23	6 1/2	4,736.47	6 1/2	4,922.03
6 3/4	2,956.67	6 3/4	3,154.07	6 3/4	3,338.83	6 3/4	3,523.60	6 3/4	3,632.59	6 3/4	3,818.33	6 3/4	4,000.55	6 3/4	4,185.97	6 3/4	4,370.60	6 3/4	4,552.23	6 3/4	4,736.47	6 3/4	4,922.03
7	2,962.62	7	3,157.92	7	3,342.68	7	3,527.45	7	3,632.59	7	3,818.33	7	4,000.55	7	4,185.97	7	4,370.60	7	4,552.23	7	4,736.47	7	4,922.03
7 1/4	2,968.58	7 1/4	3,161.77	7 1/4	3,346.53	7 1/4	3,531.30	7 1/4	3,632.59	7 1/4	3,818.33	7 1/4	4,000.55	7 1/4	4,185.97	7 1/4	4,370.60	7 1/4	4,552.23	7 1/4	4,736.47	7 1/4	4,922.03
7 1/2	2,974.53	7 1/2	3,165.61	7 1/2	3,350.38	7 1/2	3,535.15	7 1/2	3,632.59	7 1/2	3,818.33	7 1/2	4,000.55	7 1/2	4,185.97	7 1/2	4,370.60	7 1/2	4,552.23	7 1/2	4,736.47	7 1/2	4,922.03
7 3/4	2,980.49	7 3/4	3,169.46	7 3/4	3,354.23	7 3/4	3,539.00	7 3/4	3,632.59	7 3/4	3,818.33	7 3/4	4,000.55	7 3/4	4,185.97	7 3/4	4,370.60	7 3/4	4,552.23	7 3/4	4,736.47	7 3/4	4,922.03
8	2,986.44	8	3,173.31	8	3,358.08	8	3,542.85	8	3,632.59	8	3,818.33	8	4,000.55	8	4,185.97	8	4,370.60	8	4,552.23	8	4,736.47	8	4,922.03
8 1/4	2,992.40	8 1/4	3,177.16	8 1/4	3,361.93	8 1/4	3,546.70	8 1/4	3,632.59	8 1/4	3,818.33	8 1/4	4,000.55	8 1/4	4,185.97	8 1/4	4,370.60	8 1/4	4,552.23	8 1/4	4,736.47	8 1/4	4,922.03
8 1/2	2,998.35	8 1/2	3,181.01	8 1/2	3,365.78	8 1/2	3,550.54	8 1/2	3,632.59	8 1/2	3,818.33	8 1/2	4,000.55	8 1/2	4,185.97	8 1/2	4,370.60	8 1/2	4,552.23	8 1/2	4,736.47	8 1/2	4,922.03
8 3/4	3,004.30	8 3/4	3,184.86	8 3/4	3,369.63	8 3/4	3,554.39	8 3/4	3,632.59	8 3/4	3,818.33	8 3/4	4,000.55	8 3/4	4,185.97	8 3/4	4,370.60	8 3/4	4,552.23	8 3/4	4,736.47	8 3/4	4,922.03
9	3,010.26	9	3,188.71	9	3,373.48	9	3,558.24	9	3,632.59	9	3,818.33	9	4,000.55	9	4,185.97	9	4,370.60	9	4,552.23	9	4,736.47	9	4,922.03
9 1/4	3,016.21	9 1/4	3,192.56	9 1/4	3,377.33	9 1/4	3,562.09	9 1/4	3,632.59	9 1/4	3,818.33	9 1/4	4,000.55	9 1/4	4,185.97	9 1/4	4,370.60	9 1/4	4,552.23	9 1/4	4,736.47	9 1/4	4,922.03
9 1/2	3,022.17	9 1/2	3,196.41	9 1/2	3,381.18	9 1/2	3,565.94	9 1/2	3,632.59	9 1/2	3,818.33	9 1/2	4,000.55	9 1/2	4,185.97	9 1/2	4,370.60	9 1/2	4,552.23	9 1/2	4,736.47	9 1/2	4,922.03
9 3/4	3,028.12	9 3/4	3,200.26	9 3/4	3,385.02	9 3/4	3,569.79	9 3/4	3,632.59	9 3/4	3,818.33	9 3/4	4,000.55	9 3/4	4,185.97	9 3/4	4,370.60	9 3/4	4,552.23	9 3/4	4,736.47	9 3/4	4,922.03
10	3,034.07	10	3,204.11	10	3,388.87	10	3,573.64	10	3,632.59	10	3,818.33	10	4,000.55	10	4,185.97	10	4,370.60	10	4,552.23	10	4,736.47	10	4,922.03
10 1/4	3,040.02	10 1/4	3,207.96	10 1/4	3,392.72	10 1/4	3,577.49																



2 CENTER INNAGE TABLE

GAUGE HEIGHT 15'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0 FT.	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	0.63	0	241.18	0	516.44	0	787.60	0	1,060.16	0	1,335.40	0	1,610.64	0	1,885.88	0	2,161.12	0	2,436.37
1/4	1.58	1/4	246.91	1/4	522.14	1/4	793.77	1/4	1,065.99	1/4	1,341.43	1/4	1,616.68	1/4	1,891.92	1/4	2,167.16	1/4	2,442.41
1/2	2.54	1/2	252.85	1/2	527.88	1/2	798.73	1/2	1,071.63	1/2	1,346.87	1/2	1,622.11	1/2	1,897.35	1/2	2,172.59	1/2	2,447.83
3/4	3.49	3/4	258.38	3/4	533.61	3/4	804.30	3/4	1,077.36	3/4	1,352.60	3/4	1,627.84	3/4	1,903.09	3/4	2,178.33	3/4	2,453.57
1	4.45	1	264.11	1	539.35	1	809.87	1	1,083.10	1	1,358.34	1	1,633.58	1	1,908.82	1	2,184.06	1	2,459.30
1/4	7.32	1/4	269.85	1/4	545.08	1/4	815.43	1/4	1,088.83	1/4	1,364.07	1/4	1,639.31	1/4	1,914.55	1/4	2,189.80	1/4	2,465.04
1/2	10.18	1/2	275.88	1/2	550.81	1/2	821.00	1/2	1,094.56	1/2	1,369.81	1/2	1,650.05	1/2	1,920.29	1/2	2,195.53	1/2	2,470.77
3/4	13.05	3/4	281.32	3/4	556.25	3/4	826.56	3/4	1,100.50	3/4	1,375.54	3/4	1,660.78	3/4	1,930.92	3/4	2,199.26	3/4	2,476.51
2	15.92	2	287.05	2	562.28	2	832.13	2	1,106.03	2	1,381.27	2	1,666.52	2	1,936.76	2	2,201.00	2	2,482.24
1/4	20.69	1/4	292.78	1/4	568.02	1/4	837.70	1/4	1,111.77	1/4	1,387.01	1/4	1,672.25	1/4	1,942.49	1/4	2,206.73	1/4	2,487.97
1/2	25.47	1/2	298.52	1/2	573.75	1/2	843.26	1/2	1,117.50	1/2	1,392.74	1/2	1,677.98	1/2	1,948.23	1/2	2,212.47	1/2	2,493.71
3/4	30.24	3/4	304.35	3/4	579.48	3/4	848.83	3/4	1,123.33	3/4	1,398.48	3/4	1,683.72	3/4	1,954.96	3/4	2,218.20	3/4	2,499.44
3	35.02	3	309.99	3	585.22	3	854.40	3	1,128.97	3	1,404.21	3	1,689.45	3	1,960.69	3	2,223.94	3	2,505.18
1/4	40.70	1/4	315.72	1/4	590.95	1/4	859.96	1/4	1,134.70	1/4	1,409.94	1/4	1,695.19	1/4	1,966.43	1/4	2,229.68	1/4	2,510.91
1/2	46.39	1/2	321.45	1/2	596.69	1/2	865.53	1/2	1,140.44	1/2	1,415.66	1/2	1,699.92	1/2	1,971.90	1/2	2,235.42	1/2	2,516.65
3/4	52.07	3/4	327.19	3/4	602.42	3/4	871.10	3/4	1,146.17	3/4	1,421.41	3/4	1,705.65	3/4	1,977.90	3/4	2,241.14	3/4	2,522.38
4	57.76	4	332.92	4	608.15	4	876.66	4	1,151.91	4	1,427.15	4	1,712.39	4	1,983.36	4	2,246.88	4	2,528.11
1/4	63.48	1/4	338.66	1/4	613.89	1/4	882.40	1/4	1,157.84	1/4	1,432.88	1/4	1,718.12	1/4	1,989.10	1/4	2,252.61	1/4	2,533.85
1/2	69.20	1/2	344.39	1/2	619.62	1/2	888.13	1/2	1,163.37	1/2	1,438.62	1/2	1,723.86	1/2	1,994.83	1/2	2,258.34	1/2	2,539.58
3/4	74.92	3/4	350.12	3/4	625.36	3/4	893.87	3/4	1,169.11	3/4	1,444.35	3/4	1,729.59	3/4	1,999.56	3/4	2,264.07	3/4	2,545.32
5	80.64	5	355.86	5	631.09	5	899.30	5	1,174.84	5	1,450.08	5	1,735.31	5	2,005.30	5	2,269.81	5	2,551.05
1/4	86.37	1/4	361.59	1/4	636.82	1/4	905.34	1/4	1,180.58	1/4	1,455.82	1/4	1,741.06	1/4	2,011.04	1/4	2,275.81	1/4	2,556.78
1/2	92.10	1/2	367.33	1/2	642.56	1/2	911.07	1/2	1,186.31	1/2	1,461.55	1/2	1,746.79	1/2	2,016.77	1/2	2,281.54	1/2	2,562.52
3/4	97.83	3/4	373.06	3/4	648.29	3/4	916.80	3/4	1,192.05	3/4	1,467.29	3/4	1,752.53	3/4	2,022.50	3/4	2,287.28	3/4	2,568.25
6	103.57	6	378.79	6	654.03	6	922.54	6	1,197.78	6	1,473.02	6	1,758.26	6	2,028.24	6	2,293.01	6	2,573.99
1/4	109.30	1/4	384.53	1/4	659.59	1/4	928.27	1/4	1,203.51	1/4	1,478.76	1/4	1,764.00	1/4	2,034.00	1/4	2,298.75	1/4	2,579.72
1/2	115.03	1/2	390.26	1/2	665.16	1/2	933.91	1/2	1,209.25	1/2	1,484.49	1/2	1,769.73	1/2	2,039.74	1/2	2,304.51	1/2	2,585.46
3/4	120.77	3/4	396.00	3/4	670.72	3/4	939.74	3/4	1,214.98	3/4	1,490.22	3/4	1,775.47	3/4	2,045.44	3/4	2,310.21	3/4	2,591.19
7	126.50	7	401.73	7	676.29	7	945.47	7	1,220.72	7	1,495.96	7	1,781.21	7	2,051.18	7	2,315.95	7	2,596.92
1/4	132.24	1/4	407.46	1/4	681.85	1/4	951.21	1/4	1,226.45	1/4	1,501.69	1/4	1,786.93	1/4	2,056.91	1/4	2,321.68	1/4	2,602.66
1/2	137.97	1/2	413.20	1/2	687.42	1/2	956.94	1/2	1,232.18	1/2	1,507.43	1/2	1,792.67	1/2	2,062.64	1/2	2,327.42	1/2	2,608.41
3/4	143.70	3/4	418.93	3/4	692.99	3/4	962.68	3/4	1,237.92	3/4	1,513.16	3/4	1,798.40	3/4	2,068.38	3/4	2,333.15	3/4	2,614.13
8	149.44	8	424.67	8	698.55	8	968.41	8	1,243.65	8	1,518.89	8	1,804.14	8	2,074.11	8	2,338.89	8	2,619.86
1/4	155.17	1/4	430.40	1/4	704.12	1/4	974.15	1/4	1,249.39	1/4	1,524.63	1/4	1,809.87	1/4	2,079.84	1/4	2,344.62	1/4	2,625.60
1/2	160.90	1/2	436.13	1/2	709.68	1/2	979.88	1/2	1,255.12	1/2	1,530.36	1/2	1,815.60	1/2	2,085.61	1/2	2,350.35	1/2	2,631.33
3/4	166.64	3/4	441.87	3/4	715.25	3/4	985.61	3/4	1,260.86	3/4	1,536.10	3/4	1,821.34	3/4	2,091.39	3/4	2,356.09	3/4	2,637.06
9	172.37	9	447.60	9	720.81	9	991.35	9	1,266.59	9	1,541.83	9	1,827.07	9	2,097.12	9	2,361.82	9	2,642.80
1/4	178.11	1/4	453.34	1/4	726.38	1/4	997.08	1/4	1,272.32	1/4	1,547.57	1/4	1,832.81	1/4	2,102.85	1/4	2,367.56	1/4	2,648.53
1/2	183.84	1/2	459.07	1/2	731.95	1/2	1,002.82	1/2	1,278.06	1/2	1,553.30	1/2	1,838.54	1/2	2,108.58	1/2	2,373.29	1/2	2,654.27
3/4	189.57	3/4	464.80	3/4	737.51	3/4	1,008.55	3/4	1,283.79	3/4	1,559.03	3/4	1,844.28	3/4	2,114.31	3/4	2,379.02	3/4	2,660.00
10	195.31	10	470.54	10	743.08	10	1,014.28	10	1,289.53	10	1,564.77	10	1,849.97	10	2,119.99	10	2,384.76	10	2,665.73
1/4	201.04	1/4	476.27	1/4	748.64	1/4	1,020.02	1/4	1,295.26	1/4	1,570.50	1/4	1,855.74	1/4	2,125.72	1/4	2,390.49	1/4	2,671.47
1/2	206.77	1/2	482.01	1/2	754.21	1/2	1,025.75	1/2	1,300.99	1/2	1,576.24	1/2	1,861.48	1/2	2,131.45	1/2	2,396.22	1/2	2,677.20
3/4	212.51	3/4	487.74	3/4	759.77	3/4	1,031.49	3/4	1,306.73	3/4	1,581.97	3/4	1,867.21	3/4	2,137.19	3/4	2,401.96	3/4	2,682.94
11	218.24	11	493.47	11	765.34	11	1,037.22	11	1,312.46	11	1,587.70	11	1,872.95	11	2,143.00	11	2,407.70	11	2,688.67
1/4	223.98	1/4	499.21	1/4	770.91	1/4	1,042.96	1/4	1,318.20	1/4	1,593.44	1/4	1,878.68	1/4	2,148.74	1/4	2,413.45	1/4	2,694.41
1/2	229.71	1/2	504.94	1/2	776.47	1/2	1,048.69	1/2	1,323.93	1/2	1,599.17	1/2	1,884.41	1/2	2,154.48	1/2	2,419.19	1/2	2,700.14
3/4	235.44	3/4	510.68	3/4	782.04	3/4	1,054.42	3/4	1,329.67	3/4	1,604.91	3/4	1,890.15	3/4	2,160.21	3/4	2,424.93	3/4	2,705.87

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588
http://www.pimacorp.net

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NIPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN GAUGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD



BARGE "IB 1977"

2 CENTER INNAGE TABLE

GAUGE HEIGHT 15'-03 1/4"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,711.61	0	2,986.85	0	3,262.09	0	3,537.33	0	3,812.41	0	4,087.50	0	4,362.58	0	4,637.66	0	4,912.74	0	5,187.82
1/4	2,717.34	1/4	2,992.58	1/4	3,267.83	1/4	3,543.07	1/4	3,817.59	1/4	4,092.70	1/4	4,367.82	1/4	4,642.94	1/4	4,918.06	1/4	5,193.18
1/2	2,723.08	1/2	2,998.32	1/2	3,273.56	1/2	3,548.80	1/2	3,822.76	1/2	4,098.44	1/2	4,373.56	1/2	4,648.66	1/2	4,923.78	1/2	5,198.90
3/4	2,728.81	3/4	3,004.05	3/4	3,279.29	3/4	3,554.54	3/4	3,827.94	3/4	4,033.11	3/4	4,308.21	3/4	4,583.31	3/4	4,858.41	3/4	5,133.51
1	2,734.54	1	3,009.79	1	3,285.03	1	3,560.27	1	3,835.41	1	4,110.55	1	4,385.69	1	4,660.83	1	4,935.97	1	5,211.11
1/4	2,740.28	1/4	3,015.52	1/4	3,290.76	1/4	3,565.00	1/4	3,836.46	1/4	4,116.60	1/4	4,391.74	1/4	4,666.88	1/4	4,942.02	1/4	5,216.15
1/2	2,746.01	1/2	3,021.25	1/2	3,296.50	1/2	3,571.74	1/2	3,839.80	1/2	4,122.14	1/2	4,397.28	1/2	4,672.42	1/2	4,947.56	1/2	5,221.28
3/4	2,751.75	3/4	3,026.99	3/4	3,302.23	3/4	3,577.47	3/4	3,843.15	3/4	4,127.59	3/4	4,402.73	3/4	4,677.87	3/4	4,952.01	3/4	5,226.40
2	2,757.48	2	3,032.72	2	3,307.96	2	3,583.21	2	3,846.49	2	4,133.13	2	4,408.27	2	4,683.41	2	4,958.55	2	5,231.52
1/4	2,763.22	1/4	3,038.46	1/4	3,313.70	1/4	3,588.94	1/4	3,849.93	1/4	4,138.67	1/4	4,413.81	1/4	4,688.95	1/4	4,964.09	1/4	5,236.64
1/2	2,768.95	1/2	3,044.19	1/2	3,319.43	1/2	3,594.67	1/2	3,854.67	1/2	4,144.21	1/2	4,419.35	1/2	4,694.49	1/2	4,969.63	1/2	5,241.76
3/4	2,774.68	3/4	3,049.93	3/4	3,325.17	3/4	3,600.41	3/4	3,859.79	3/4	4,149.71	3/4	4,424.85	3/4	4,700.00	3/4	4,975.14	3/4	5,246.88
3	2,780.42	3	3,055.66	3	3,330.90	3	3,606.14	3	3,865.23	3	4,155.15	3	4,430.29	3	4,705.43	3	4,980.57	3	5,252.00
1/4	2,786.15	1/4	3,061.39	1/4	3,336.64	1/4	3,611.88	1/4	3,870.47	1/4	4,160.59	1/4	4,435.73	1/4	4,710.87	1/4	4,985.71	1/4	5,257.12
1/2	2,791.89	1/2	3,067.13	1/2	3,342.37	1/2	3,617.61	1/2	3,875.61	1/2	4,166.03	1/2	4,441.17	1/2	4,716.31	1/2	4,990.85	1/2	5,262.24
3/4	2,797.62	3/4	3,072.86	3/4	3,348.10	3/4	3,623.35	3/4	3,880.75	3/4	4,171.47	3/4	4,446.61	3/4	4,721.75	3/4	4,996.19	3/4	5,267.36
4	2,803.36	4	3,078.60	4	3,353.84	4	3,629.08	4	3,886.08	4	4,176.91	4	4,452.05	4	4,727.19	4	5,001.53	4	5,272.48
1/4	2,809.09	1/4	3,084.33	1/4	3,359.57	1/4	3,634.81	1/4	3,891.41	1/4	4,182.35	1/4	4,457.49	1/4	4,732.63	1/4	5,006.87	1/4	5,277.60
1/2	2,814.82	1/2	3,090.07	1/2	3,365.31	1/2	3,640.55	1/2	3,896.55	1/2	4,187.79	1/2	4,462.87	1/2	4,737.97	1/2	5,012.21	1/2	5,282.72
3/4	2,820.56	3/4	3,095.80	3/4	3,371.04	3/4	3,646.28	3/4	3,901.79	3/4	4,193.23	3/4	4,468.31	3/4	4,743.41	3/4	5,017.55	3/4	5,287.84
5	2,826.29	5	3,101.53	5	3,376.78	5	3,652.02	5	3,907.02	5	4,198.67	5	4,473.75	5	4,748.89	5	5,022.89	5	5,292.96
1/4	2,832.03	1/4	3,107.27	1/4	3,382.51	1/4	3,657.75	1/4	3,912.79	1/4	4,204.19	1/4	4,479.19	1/4	4,754.33	1/4	5,028.23	1/4	5,298.08
1/2	2,837.76	1/2	3,113.00	1/2	3,388.24	1/2	3,663.49	1/2	3,918.02	1/2	4,209.63	1/2	4,484.63	1/2	4,759.77	1/2	5,033.57	1/2	5,303.20
3/4	2,843.49	3/4	3,118.74	3/4	3,393.98	3/4	3,669.22	3/4	3,923.26	3/4	4,215.07	3/4	4,490.07	3/4	4,765.21	3/4	5,038.91	3/4	5,308.32
6	2,849.23	6	3,124.47	6	3,399.71	6	3,674.95	6	3,928.50	6	4,220.51	6	4,495.45	6	4,770.65	6	5,044.25	6	5,313.44
1/4	2,854.96	1/4	3,130.20	1/4	3,405.45	1/4	3,680.69	1/4	3,933.74	1/4	4,225.95	1/4	4,500.89	1/4	4,776.09	1/4	5,049.59	1/4	5,318.56
1/2	2,860.70	1/2	3,135.94	1/2	3,411.18	1/2	3,686.42	1/2	3,939.07	1/2	4,231.39	1/2	4,506.33	1/2	4,781.53	1/2	5,054.93	1/2	5,323.68
3/4	2,866.43	3/4	3,141.67	3/4	3,416.91	3/4	3,692.16	3/4	3,944.30	3/4	4,236.83	3/4	4,511.77	3/4	4,786.97	3/4	5,060.27	3/4	5,328.80
7	2,872.17	7	3,147.41	7	3,422.65	7	3,697.89	7	3,949.54	7	4,242.27	7	4,517.21	7	4,792.41	7	5,065.61	7	5,333.92
1/4	2,877.90	1/4	3,153.14	1/4	3,428.38	1/4	3,703.62	1/4	3,954.78	1/4	4,247.71	1/4	4,522.65	1/4	4,797.85	1/4	5,070.95	1/4	5,339.04
1/2	2,883.63	1/2	3,158.88	1/2	3,434.12	1/2	3,709.36	1/2	3,960.02	1/2	4,253.15	1/2	4,528.09	1/2	4,803.29	1/2	5,076.29	1/2	5,344.16
3/4	2,889.37	3/4	3,164.61	3/4	3,439.85	3/4	3,715.09	3/4	3,965.26	3/4	4,258.59	3/4	4,533.53	3/4	4,808.73	3/4	5,081.63	3/4	5,349.28
8	2,895.10	8	3,170.34	8	3,445.59	8	3,720.83	8	3,970.50	8	4,264.03	8	4,538.97	8	4,814.17	8	5,087.07	8	5,354.40
1/4	2,900.84	1/4	3,176.08	1/4	3,451.32	1/4	3,726.56	1/4	3,975.74	1/4	4,269.47	1/4	4,544.41	1/4	4,819.61	1/4	5,092.51	1/4	5,359.52
1/2	2,906.57	1/2	3,181.81	1/2	3,457.05	1/2	3,732.30	1/2	3,981.08	1/2	4,274.91	1/2	4,549.85	1/2	4,825.05	1/2	5,097.95	1/2	5,364.64
3/4	2,912.31	3/4	3,187.55	3/4	3,462.79	3/4	3,738.03	3/4	3,986.32	3/4	4,280.35	3/4	4,555.29	3/4	4,830.49	3/4	5,103.39	3/4	5,369.76
9	2,918.04	9	3,193.28	9	3,468.52	9	3,743.76	9	3,991.56	9	4,285.79	9	4,560.73	9	4,835.93	9	5,108.83	9	5,374.88
1/4	2,923.77	1/4	3,199.01	1/4	3,474.26	1/4	3,749.50	1/4	3,996.80	1/4	4,291.23	1/4	4,566.17	1/4	4,841.37	1/4	5,114.27	1/4	5,380.00
1/2	2,929.51	1/2	3,204.75	1/2	3,479.99	1/2	3,755.24	1/2	3,955.24	1/2	4,296.67	1/2	4,571.61	1/2	4,846.81	1/2	5,119.71	1/2	5,385.12
3/4	2,935.24	3/4	3,210.48	3/4	3,485.72	3/4	3,760.98	3/4	3,960.48	3/4	4,302.11	3/4	4,577.05	3/4	4,852.25	3/4	5,125.15	3/4	5,390.24
10	2,940.98	10	3,216.22	10	3,491.46	10	3,766.72	10	3,965.72	10	4,307.55	10	4,582.49	10	4,857.69	10	5,130.59	10	5,395.36
1/4	2,946.71	1/4	3,221.95	1/4	3,497.19	1/4	3,772.45	1/4	3,971.01	1/4	4,313.00	1/4	4,587.93	1/4	4,863.13	1/4	5,136.03	1/4	5,400.48
1/2	2,952.44	1/2	3,227.69	1/2	3,502.93	1/2	3,778.17	1/2	3,976.25	1/2	4,318.44	1/2	4,593.37	1/2	4,868.57	1/2	5,141.47	1/2	5,405.60
3/4	2,958.18	3/4	3,233.42	3/4	3,508.66	3/4	3,783.90	3/4	3,981.49	3/4	4,323.88	3/4	4,603.81	3/4	4,874.01	3/4	5,146.91	3/4	5,410.72
11	2,963.91	11	3,239.15	11	3,514.40	11	3,789.62	11	3,986.73	11	4,329.32	11	4,609.25	11	4,879.45	11	5,152.35	11	5,415.84
1/4	2,969.65	1/4	3,244.89	1/4	3,520.13	1/4	3,795.32	1/4	3,991.97	1/4	4,334.76	1/4	4,614.69	1/4	4,884.89	1/4	5,157.79	1/4	5,420.96
1/2	2,975.38	1/2	3,250.62	1/2	3,525.86	1/2	3,801.02	1/2	3,997.21	1/2	4,340.20	1/2	4,620.13	1/2	4,890.33	1/2	5,163.23	1/2	5,426.08
3/4	2,981.12	3/4	3,256.36	3/4	3,531.60	3/4	3,806.71	3/4	3,997.55	3/4	4,345.64	3/4	4,625.57	3/4	4,895.77	3/4	5,168.67	3/4	5,431.20

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 09/07/2017 CL
CALCULATED: 09/08/2017 CL
PRINTED: 09/08/2017 SW
CANCELS AND SUPERCEDES
ALL PRIOR TO 09/2017

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
http://www.pmacorp.net



3 CENTER INNAGE TABLE

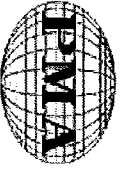
GAUGE HEIGHT 15'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS		GAUGE HEIGHT 15'-03 1/2"																	
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0.63	0	239.02	0	517.78	0	744.29	0	1,056.90	0	1,329.68	0	1,602.45	0	1,875.22	0	2,148.00	0	2,420.77
1/4	1.57	1/4	244.70	1/4	517.46	1/4	789.96	1/4	1,062.58	1/4	1,335.36	1/4	1,608.13	1/4	1,880.91	1/4	2,153.68	1/4	2,426.46
1/2	2.52	1/2	250.38	1/2	523.14	1/2	795.63	1/2	1,068.27	1/2	1,341.04	1/2	1,613.82	1/2	1,886.59	1/2	2,159.36	1/2	2,432.14
3/4	3.47	3/4	256.07	3/4	528.83	3/4	801.30	3/4	1,073.95	3/4	1,346.72	3/4	1,619.50	3/4	1,892.27	3/4	2,165.05	3/4	2,437.82
1	4.41	1	261.75	1	534.51	1	806.97	1	1,079.63	1	1,352.41	1	1,625.18	1	1,897.96	1	2,170.73	1	2,443.50
1 1/4	7.26	1 1/4	267.43	1 1/4	540.19	1 1/4	812.65	1 1/4	1,085.32	1 1/4	1,358.09	1 1/4	1,630.86	1 1/4	1,903.64	1 1/4	2,176.41	1 1/4	2,449.19
1 1/2	10.10	1 1/2	273.11	1 1/2	545.87	1 1/2	818.32	1 1/2	1,091.98	1 1/2	1,363.77	1 1/2	1,636.54	1 1/2	1,909.32	1 1/2	2,182.10	1 1/2	2,454.87
1 3/4	12.94	1 3/4	278.80	1 3/4	551.56	1 3/4	823.99	1 3/4	1,099.68	1 3/4	1,369.94	1 3/4	1,642.23	1 3/4	1,915.00	1 3/4	2,187.78	1 3/4	2,460.55
2	15.78	2	284.48	2	557.24	2	829.66	2	1,102.36	2	1,375.14	2	1,647.91	2	1,920.69	2	2,193.46	2	2,466.24
2 1/4	20.51	2 1/4	290.16	2 1/4	562.92	2 1/4	835.34	2 1/4	1,108.05	2 1/4	1,380.82	2 1/4	1,653.60	2 1/4	1,926.37	2 1/4	2,199.14	2 1/4	2,471.92
2 1/2	25.25	2 1/2	295.84	2 1/2	568.60	2 1/2	841.01	2 1/2	1,113.73	2 1/2	1,386.50	2 1/2	1,659.28	2 1/2	1,932.05	2 1/2	2,204.83	2 1/2	2,477.60
2 3/4	29.98	2 3/4	301.53	2 3/4	574.29	2 3/4	846.68	2 3/4	1,119.41	2 3/4	1,392.19	2 3/4	1,664.96	2 3/4	1,937.74	2 3/4	2,210.51	2 3/4	2,483.28
3	34.71	3	307.21	3	579.97	3	852.36	3	1,125.09	3	1,397.87	3	1,670.64	3	1,943.42	3	2,216.19	3	2,488.97
3 1/4	40.35	3 1/4	312.89	3 1/4	585.65	3 1/4	858.03	3 1/4	1,130.78	3 1/4	1,403.55	3 1/4	1,676.33	3 1/4	1,949.10	3 1/4	2,221.88	3 1/4	2,494.65
3 1/2	45.98	3 1/2	318.57	3 1/2	591.33	3 1/2	863.70	3 1/2	1,136.48	3 1/2	1,409.23	3 1/2	1,682.01	3 1/2	1,954.78	3 1/2	2,227.56	3 1/2	2,500.33
3 3/4	51.61	3 3/4	324.26	3 3/4	597.02	3 3/4	869.38	3 3/4	1,142.14	3 3/4	1,414.92	3 3/4	1,687.69	3 3/4	1,960.47	3 3/4	2,233.24	3 3/4	2,506.02
4	57.25	4	329.94	4	602.70	4	875.05	4	1,147.83	4	1,420.60	4	1,693.37	4	1,966.15	4	2,238.92	4	2,511.70
4 1/4	62.91	4 1/4	335.62	4 1/4	608.38	4 1/4	880.73	4 1/4	1,153.51	4 1/4	1,426.28	4 1/4	1,699.06	4 1/4	1,971.83	4 1/4	2,244.61	4 1/4	2,517.38
4 1/2	68.58	4 1/2	341.30	4 1/2	614.06	4 1/2	886.42	4 1/2	1,159.19	4 1/2	1,431.97	4 1/2	1,704.74	4 1/2	1,977.51	4 1/2	2,250.29	4 1/2	2,523.06
4 3/4	74.25	4 3/4	346.99	4 3/4	619.75	4 3/4	892.10	4 3/4	1,164.87	4 3/4	1,437.65	4 3/4	1,710.42	4 3/4	1,983.20	4 3/4	2,255.97	4 3/4	2,528.75
5	79.92	5	352.67	5	625.43	5	897.78	5	1,170.56	5	1,444.91	5	1,716.11	5	1,988.88	5	2,261.65	5	2,534.43
5 1/4	85.60	5 1/4	358.35	5 1/4	631.11	5 1/4	903.47	5 1/4	1,176.24	5 1/4	1,449.93	5 1/4	1,721.79	5 1/4	1,994.56	5 1/4	2,267.34	5 1/4	2,540.11
5 1/2	91.28	5 1/2	364.03	5 1/2	636.79	5 1/2	909.15	5 1/2	1,181.92	5 1/2	1,454.70	5 1/2	1,727.47	5 1/2	2,000.25	5 1/2	2,273.02	5 1/2	2,545.79
5 3/4	96.96	5 3/4	369.72	5 3/4	642.48	5 3/4	914.83	5 3/4	1,187.61	5 3/4	1,460.38	5 3/4	1,733.15	5 3/4	2,006.93	5 3/4	2,276.70	5 3/4	2,551.48
6	102.64	6	375.40	6	648.16	6	920.51	6	1,193.29	6	1,466.06	6	1,738.84	6	2,011.61	6	2,284.39	6	2,557.16
6 1/4	108.33	6 1/4	381.08	6 1/4	653.83	6 1/4	926.20	6 1/4	1,198.97	6 1/4	1,471.75	6 1/4	1,744.52	6 1/4	2,017.29	6 1/4	2,290.07	6 1/4	2,562.84
6 1/2	114.01	6 1/2	386.76	6 1/2	659.50	6 1/2	931.88	6 1/2	1,204.65	6 1/2	1,477.43	6 1/2	1,750.20	6 1/2	2,022.98	6 1/2	2,295.56	6 1/2	2,568.53
6 3/4	119.69	6 3/4	392.45	6 3/4	665.17	6 3/4	937.56	6 3/4	1,210.34	6 3/4	1,483.11	6 3/4	1,755.89	6 3/4	2,028.66	6 3/4	2,301.43	6 3/4	2,574.21
7	125.37	7	398.13	7	670.85	7	943.25	7	1,216.02	7	1,488.79	7	1,761.57	7	2,034.34	7	2,307.12	7	2,579.89
7 1/4	131.06	7 1/4	403.81	7 1/4	676.52	7 1/4	948.93	7 1/4	1,221.70	7 1/4	1,494.48	7 1/4	1,767.25	7 1/4	2,040.03	7 1/4	2,312.80	7 1/4	2,585.57
7 1/2	136.74	7 1/2	409.49	7 1/2	682.19	7 1/2	954.61	7 1/2	1,227.39	7 1/2	1,500.16	7 1/2	1,772.93	7 1/2	2,045.71	7 1/2	2,318.48	7 1/2	2,591.26
7 3/4	142.42	7 3/4	415.18	7 3/4	687.86	7 3/4	960.29	7 3/4	1,233.07	7 3/4	1,505.84	7 3/4	1,778.62	7 3/4	2,051.39	7 3/4	2,324.17	7 3/4	2,596.94
8	148.10	8	420.86	8	693.53	8	965.98	8	1,238.75	8	1,511.53	8	1,784.30	8	2,057.07	8	2,329.85	8	2,602.62
8 1/4	153.78	8 1/4	426.54	8 1/4	699.21	8 1/4	971.66	8 1/4	1,244.43	8 1/4	1,517.21	8 1/4	1,789.98	8 1/4	2,062.76	8 1/4	2,335.53	8 1/4	2,608.31
8 1/2	159.47	8 1/2	432.22	8 1/2	704.88	8 1/2	977.34	8 1/2	1,250.12	8 1/2	1,522.89	8 1/2	1,795.67	8 1/2	2,068.44	8 1/2	2,341.21	8 1/2	2,613.99
8 3/4	165.15	8 3/4	437.91	8 3/4	710.55	8 3/4	983.02	8 3/4	1,255.80	8 3/4	1,528.57	8 3/4	1,801.35	8 3/4	2,074.12	8 3/4	2,346.90	8 3/4	2,619.67
9	170.83	9	443.59	9	716.22	9	988.71	9	1,261.48	9	1,534.26	9	1,807.03	9	2,079.81	9	2,352.58	9	2,625.35
9 1/4	176.51	9 1/4	449.27	9 1/4	721.89	9 1/4	994.39	9 1/4	1,267.16	9 1/4	1,539.94	9 1/4	1,812.71	9 1/4	2,085.49	9 1/4	2,358.26	9 1/4	2,631.04
9 1/2	182.19	9 1/2	454.95	9 1/2	727.57	9 1/2	1,000.07	9 1/2	1,272.85	9 1/2	1,545.62	9 1/2	1,818.40	9 1/2	2,091.17	9 1/2	2,363.95	9 1/2	2,636.72
9 3/4	187.88	9 3/4	460.64	9 3/4	733.24	9 3/4	1,005.76	9 3/4	1,278.53	9 3/4	1,551.30	9 3/4	1,824.08	9 3/4	2,096.85	9 3/4	2,369.63	9 3/4	2,642.40
10	193.56	10	466.32	10	738.91	10	1,011.44	10	1,284.21	10	1,556.99	10	1,829.76	10	2,102.54	10	2,375.31	10	2,648.09
10 1/4	199.24	10 1/4	472.00	10 1/4	744.58	10 1/4	1,017.12	10 1/4	1,289.90	10 1/4	1,562.67	10 1/4	1,835.44	10 1/4	2,108.22	10 1/4	2,380.99	10 1/4	2,653.77
10 1/2	204.92	10 1/2	477.68	10 1/2	750.25	10 1/2	1,022.80	10 1/2	1,295.58	10 1/2	1,568.35	10 1/2	1,841.13	10 1/2	2,113.90	10 1/2	2,386.68	10 1/2	2,659.45
10 3/4	210.61	10 3/4	483.37	10 3/4	755.93	10 3/4	1,028.49	10 3/4	1,301.26	10 3/4	1,574.04	10 3/4	1,846.81	10 3/4	2,119.58	10 3/4	2,392.36	10 3/4	2,665.13
11	216.29	11	489.05	11	761.50	11	1,034.17	11	1,306.94	11	1,579.72	11	1,852.49	11	2,125.27	11	2,398.04	11	2,670.82
11 1/4	221.97	11 1/4	494.73	11 1/4	767.27	11 1/4	1,039.85	11 1/4	1,312.63	11 1/4	1,585.40	11 1/4	1,858.18	11 1/4	2,130.95	11 1/4	2,403.72	11 1/4	2,676.50
11 1/2	227.65	11 1/2	500.41	11 1/2	772.94	11 1/2	1,045.54	11 1/2	1,318.31	11 1/2	1,591.08	11 1/2	1,863.86	11 1/2	2,136.63	11 1/2	2,409.41	11 1/2	2,682.18
11 3/4	233.34	11 3/4	506.10	11 3/4	778.61	11 3/4	1,051.22	11 3/4	1,323.99	11 3/4	1,596.77	11 3/4	1,869.54	11 3/4	2,142.32	11 3/4	2,415.09	11 3/4	2,687.86

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NFPA CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 31'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77568
http://www.pma.com.net



BARGE "IB 1977"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 US GALLONS

GAUGE HEIGHT 15'-03 1/2"

IN	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.		
	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	
0	2,693.55	0	2,966.32	0	3,239.10	0	3,511.87	0	3,784.44	0	4,057.01	0	4,329.58	0	4,602.15	0	4,874.72	0	5,147.29	0	5,419.86
1/4	2,699.23	1/4	2,972.00	1/4	3,244.78	1/4	3,517.55	1/4	3,790.12	1/4	4,062.69	1/4	4,335.26	1/4	4,607.83	1/4	4,880.40	1/4	5,152.97	1/4	5,425.54
1/2	2,704.91	1/2	2,977.62	1/2	3,250.46	1/2	3,523.24	1/2	3,795.70	1/2	4,068.06	1/2	4,341.63	1/2	4,614.19	1/2	4,887.76	1/2	5,160.33	1/2	5,432.89
3/4	2,710.60	3/4	2,983.37	3/4	3,256.14	3/4	3,528.92	3/4	3,799.83	3/4	4,073.19	3/4	4,346.37	3/4	4,619.51	3/4	4,892.65	3/4	5,165.79	3/4	5,438.93
1	2,716.28	1	2,989.05	1	3,261.83	1	3,534.60	1	3,804.96	1	4,078.32	1	4,351.68	1	4,624.04	1	4,897.39	1	5,170.75	1	5,443.11
1/4	2,721.96	1/4	2,994.74	1/4	3,267.51	1/4	3,540.28	1/4	3,808.27	1/4	4,081.55	1/4	4,354.81	1/4	4,628.07	1/4	4,901.32	1/4	5,176.41	1/4	5,448.79
1/2	2,727.64	1/2	3,000.42	1/2	3,273.19	1/2	3,545.97	1/2	3,811.59	1/2	4,086.86	1/2	4,360.12	1/2	4,633.38	1/2	4,906.63	1/2	5,182.09	1/2	5,454.37
3/4	2,733.33	3/4	3,006.10	3/4	3,278.88	3/4	3,551.65	3/4	3,814.90	3/4	4,091.75	3/4	4,364.99	3/4	4,638.24	3/4	4,911.49	3/4	5,187.75	3/4	5,459.01
2	2,739.01	2	3,011.78	2	3,284.56	2	3,557.33	2	3,818.22	2	4,097.07	2	4,370.31	2	4,643.55	2	4,916.79	2	5,193.03	2	5,464.27
1/4	2,744.69	1/4	3,017.47	1/4	3,290.24	1/4	3,563.02	1/4	3,819.64	1/4	4,102.81	1/4	4,375.05	1/4	4,648.29	1/4	4,921.53	1/4	5,198.77	1/4	5,469.01
1/2	2,750.38	1/2	3,023.15	1/2	3,296.92	1/2	3,568.70	1/2	3,821.06	1/2	4,107.95	1/2	4,380.19	1/2	4,653.43	1/2	4,926.67	1/2	5,204.91	1/2	5,474.15
3/4	2,756.06	3/4	3,028.83	3/4	3,301.61	3/4	3,574.38	3/4	3,822.48	3/4	4,113.04	3/4	4,385.27	3/4	4,658.51	3/4	4,931.75	3/4	5,210.15	3/4	5,479.39
3	2,761.74	3	3,034.52	3	3,307.29	3	3,580.06	3	3,823.90	3	4,118.13	3	4,390.36	3	4,663.60	3	4,936.84	3	5,215.34	3	5,484.03
1/4	2,767.42	1/4	3,040.20	1/4	3,312.97	1/4	3,585.75	1/4	3,824.14	1/4	4,123.22	1/4	4,395.45	1/4	4,668.69	1/4	4,941.93	1/4	5,220.52	1/4	5,489.17
1/2	2,773.11	1/2	3,045.88	1/2	3,318.66	1/2	3,591.43	1/2	3,829.31	1/2	4,130.30	1/2	4,402.53	1/2	4,675.77	1/2	4,947.01	1/2	5,225.71	1/2	5,494.31
3/4	2,778.79	3/4	3,051.56	3/4	3,324.34	3/4	3,597.11	3/4	3,834.19	3/4	4,135.40	3/4	4,407.63	3/4	4,680.87	3/4	4,948.11	3/4	5,230.90	3/4	5,499.51
4	2,784.47	4	3,057.25	4	3,330.02	4	3,602.80	4	3,839.07	4	4,140.41	4	4,412.64	4	4,685.88	4	4,951.12	4	5,236.09	4	5,504.71
1/4	2,790.16	1/4	3,062.93	1/4	3,335.70	1/4	3,608.48	1/4	3,843.94	1/4	4,145.42	1/4	4,417.65	1/4	4,690.89	1/4	4,956.13	1/4	5,241.28	1/4	5,510.31
1/2	2,795.84	1/2	3,068.61	1/2	3,341.39	1/2	3,614.16	1/2	3,848.81	1/2	4,150.43	1/2	4,422.66	1/2	4,695.90	1/2	4,961.14	1/2	5,246.37	1/2	5,515.41
3/4	2,801.52	3/4	3,074.30	3/4	3,347.07	3/4	3,619.84	3/4	3,853.68	3/4	4,155.44	3/4	4,427.67	3/4	4,700.91	3/4	4,966.15	3/4	5,251.46	3/4	5,520.50
5	2,807.20	5	3,079.98	5	3,352.75	5	3,625.53	5	3,858.52	5	4,160.45	5	4,432.68	5	4,705.92	5	4,971.16	5	5,256.55	5	5,525.59
1/4	2,812.89	1/4	3,085.66	1/4	3,358.44	1/4	3,631.21	1/4	3,863.36	1/4	4,165.46	1/4	4,437.69	1/4	4,710.93	1/4	4,976.17	1/4	5,261.64	1/4	5,530.63
1/2	2,818.57	1/2	3,091.34	1/2	3,364.12	1/2	3,636.89	1/2	3,868.50	1/2	4,170.47	1/2	4,442.71	1/2	4,715.96	1/2	4,981.20	1/2	5,266.71	1/2	5,535.67
3/4	2,824.25	3/4	3,097.03	3/4	3,369.80	3/4	3,642.58	3/4	3,873.61	3/4	4,175.48	3/4	4,447.74	3/4	4,720.99	3/4	4,986.23	3/4	5,271.76	3/4	5,540.71
6	2,829.93	6	3,102.71	6	3,375.48	6	3,648.26	6	3,878.64	6	4,180.49	6	4,452.77	6	4,725.99	6	4,991.22	6	5,276.77	6	5,545.74
1/4	2,835.62	1/4	3,108.39	1/4	3,381.17	1/4	3,653.94	1/4	3,883.67	1/4	4,185.50	1/4	4,457.80	1/4	4,730.99	1/4	4,996.25	1/4	5,281.82	1/4	5,550.78
1/2	2,841.30	1/2	3,114.07	1/2	3,386.85	1/2	3,659.82	1/2	3,888.75	1/2	4,190.51	1/2	4,462.81	1/2	4,735.99	1/2	4,999.26	1/2	5,286.85	1/2	5,555.81
3/4	2,846.98	3/4	3,119.76	3/4	3,392.53	3/4	3,665.31	3/4	3,893.64	3/4	4,195.52	3/4	4,467.82	3/4	4,740.99	3/4	5,004.29	3/4	5,291.89	3/4	5,560.81
7	2,852.67	7	3,125.44	7	3,398.21	7	3,670.99	7	3,898.52	7	4,200.53	7	4,472.81	7	4,745.99	7	5,009.27	7	5,296.89	7	5,565.83
1/4	2,858.35	1/4	3,131.12	1/4	3,403.90	1/4	3,676.67	1/4	3,903.45	1/4	4,205.54	1/4	4,477.82	1/4	4,750.99	1/4	5,014.30	1/4	5,301.89	1/4	5,570.84
1/2	2,864.03	1/2	3,136.81	1/2	3,409.58	1/2	3,682.35	1/2	3,908.36	1/2	4,210.55	1/2	4,482.83	1/2	4,755.99	1/2	5,019.29	1/2	5,306.89	1/2	5,575.85
3/4	2,869.71	3/4	3,142.49	3/4	3,415.26	3/4	3,688.04	3/4	3,913.25	3/4	4,215.56	3/4	4,487.84	3/4	4,760.99	3/4	5,024.28	3/4	5,311.89	3/4	5,580.81
8	2,875.40	8	3,148.17	8	3,420.95	8	3,693.72	8	3,918.14	8	4,220.57	8	4,492.85	8	4,765.99	8	5,029.27	8	5,316.89	8	5,585.76
1/4	2,881.08	1/4	3,153.85	1/4	3,426.63	1/4	3,699.40	1/4	3,923.02	1/4	4,225.58	1/4	4,497.86	1/4	4,770.99	1/4	5,034.26	1/4	5,321.89	1/4	5,590.71
1/2	2,886.76	1/2	3,159.54	1/2	3,432.31	1/2	3,705.09	1/2	3,927.91	1/2	4,230.59	1/2	4,502.87	1/2	4,775.99	1/2	5,039.25	1/2	5,326.89	1/2	5,595.66
3/4	2,892.45	3/4	3,165.22	3/4	3,437.99	3/4	3,710.77	3/4	3,932.80	3/4	4,235.60	3/4	4,507.88	3/4	4,780.99	3/4	5,044.24	3/4	5,331.89	3/4	5,600.61
9	2,898.13	9	3,170.90	9	3,443.68	9	3,716.45	9	3,937.71	9	4,240.61	9	4,512.89	9	4,785.99	9	5,049.23	9	5,336.89	9	5,605.56
1/4	2,903.81	1/4	3,176.59	1/4	3,449.36	1/4	3,722.13	1/4	3,942.62	1/4	4,245.62	1/4	4,517.90	1/4	4,790.99	1/4	5,054.22	1/4	5,341.89	1/4	5,610.51
1/2	2,909.49	1/2	3,182.27	1/2	3,455.04	1/2	3,727.81	1/2	3,947.53	1/2	4,250.63	1/2	4,522.90	1/2	4,795.99	1/2	5,059.21	1/2	5,346.89	1/2	5,615.46
3/4	2,915.18	3/4	3,187.95	3/4	3,460.73	3/4	3,733.49	3/4	3,952.44	3/4	4,255.64	3/4	4,527.91	3/4	4,800.99	3/4	5,064.20	3/4	5,351.89	3/4	5,620.41
10	2,920.86	10	3,193.63	10	3,466.41	10	3,739.16	10	3,957.35	10	4,260.65	10	4,532.92	10	4,805.99	10	5,069.19	10	5,356.89	10	5,625.36
1/4	2,926.54	1/4	3,199.32	1/4	3,472.09	1/4	3,744.84	1/4	3,962.24	1/4	4,265.66	1/4	4,537.93	1/4	4,810.99	1/4	5,074.18	1/4	5,361.89	1/4	5,630.31
1/2	2,932.23	1/2	3,205.00	1/2	3,477.77	1/2	3,750.51	1/2	3,967.13	1/2	4,270.67	1/2	4,542.94	1/2	4,815.99	1/2	5,079.17	1/2	5,366.89	1/2	5,635.26
3/4	2,937.91	3/4	3,210.68	3/4	3,483.46	3/4	3,756.18	3/4	3,972.02	3/4	4,275.68	3/4	4,547.95	3/4	4,820.99	3/4	5,084.16	3/4	5,371.89	3/4	5,640.21
11	2,943.59	11	3,216.37	11	3,489.14	11	3,761.85	11	3,976.91	11	4,280.69	11	4,552.96	11	4,825.99	11	5,089.15	11	5,376.89	11	5,645.16
1/4	2,949.27	1/4	3,222.05	1/4	3,494.82	1/4	3,767.50	1/4	3,981.76	1/4	4,285.70	1/4	4,557.97	1/4	4,830.99	1/4	5,094.14	1/4	5,381.89	1/4	5,650.11
1/2	2,954.96	1/2	3,227.73	1/2	3,500.51	1/2	3,773.15	1/													